

INTERNATIONAL SEARCH REPORT

IB2004/051740

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01P5/00 H01P1/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01B H01P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|--|-----------------------|
| A | EP 0 982 740 A (GEN ELECTRIC) 1 March 2000 (2000-03-01) paragraphs '0005!, '0006! paragraphs '0018!, '0019!; figures 3,4 paragraph '0021!; figure 5 paragraph '0024! ----- US 3 886 504 A (HARTMANN CLINTO SYLVESTER ET AL) 27 May 1975 (1975-05-27) column 1, line 48 - line 60 column 2, line 42 - line 50 column 4, line 63 - column 5, line 3; figure 1 column 5, line 53 - line 62 column 10, line 10 - line 16 ----- -/- | 1,6,11, 14 |
| A | | 1-14 |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

21 January 2005

Date of mailing of the international search report

28/01/2005

Name and mailing address of the ISA
 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel: (+31-70) 340-2040, Tx. 31 651 epo nl.
 Fax: (+31-70) 340-3016

Authorized officer

Pastor Jiménez, J-V

INTERNATIONAL SEARCH REPORT

IB2004/051740

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|---|-----------------------|
| A | US 4 605 009 A (POURCELLOT LEANDRE ET AL) 12 August 1986 (1986-08-12) column 3, line 17 - line 24; figure 2 column 3, line 36 - line 61 ----- | 1,6,11, 14 |

INTERNATIONAL SEARCH REPORT

IB2004/051740

| Patent document cited in search report | | Publication date | | Patent family member(s) | | Publication date |
|--|---|------------------|----------------------------------|--|--|--|
| EP 0982740 | A | 01-03-2000 | US EP JP | 6235993 B1 0982740 A2 2000083943 A | | 22-05-2001 01-03-2000 28-03-2000 |
| US 3886504 | A | 27-05-1975 | DE FR GB JP JP NL | 2521290 A1 2272530 A1 1513911 A 51000244 A 56046289 B 7505903 A ,B, | | 04-12-1975 19-12-1975 14-06-1978 05-01-1976 02-11-1981 24-11-1975 |
| US 4605009 | A | 12-08-1986 | FR AT DE EP | 2543817 A1 30839 T 3467500 D1 0123594 A1 | | 12-10-1984 15-12-1987 23-12-1987 31-10-1984 |